



Draft

Department of Defense

Electronic Data Interchange (EDI) Convention

ASC X12 Transaction Set 810 Invoice (Public Voucher) (Version 003010)



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10.0 DoD EDI CONVENTION

ASC X12 TRANSACTION SET 810 INVOICE (PUBLIC VOUCHER) (VERSION 003010)

FORMATTING INVOICE INFORMATION FOR THE Dod PAYMENT SYSTEM USING THE ASC X12 TRANSACTION SET \$10 INVOICE (PUBLIC VOUCHER).

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10.i INTRODUCTION

This is an Electronic Data Interchange (EDI) systems design document that describes the standard or "convention" the Department of Defense (DoD) will use to accept an invoice using the ASC X12 Transaction Set 810 Invoice (003010). It contains information for the design of interface computer programs that serve to link systems application computer programs and an EDI translator computer program.

Who Needs to Use This Document

Computer programmers can use this document to identify the data in a populated EDI transaction with data requirements of their specific application database. Conversely, programmers can identify where their applications data requirement should be carried in an EDI transaction.

Why Use a Convention

There are more ways to populate an EDI transaction than there are ways to fill out a blank form. A convention defines the rules for filling in or "populating" an EDI transaction with a specific data set. Following a convention ensures the integrity of data that is produced and processed by EDI capable computer systems.

Contents

Four sections are included in this document.

- Section 10.2, Control Segments, identifies the specific data requirements for formatting the EDI interchange control segments when sending and receiving EDI transactions.
- Section 10.5, Data Element Cross-Reference Matrix, lists the data requirements of DoD and specifies where each data element should be carried in the transaction set. This section can be used to map an existing application database into the transaction set.
- Section 10.7, DoD Conventions, lists the layout of the target transaction set by segment and data element. Identified along side each transaction set data element is the cross-reference data element from Section 10.5. This section can be used to interpret segments and data elements of a populated transaction set.
- The Appendix contains an example of a populated transaction set.

10.2 Control Segments

Overview

This chapter describes the Electronic Data Interchange (EDI) control segments (interchange control segments and functional group segments). The control segment information was derived from the ASC X12 Standards Draft Version 3 Release 1 (003010).

Purpose

This chapter identifies specific data requirement for formatting the EDI control segments when transmitting and receiving EDI transactions. The format and data content of the control segments is usually managed by EDI translation software. The data requirement described herein should be used to set control segment format when installing or initializing translation software for transmission and reception of EDI transaction.

Contents

Two items are included in this chapter.

- Table 10.2-1, Interchange Control Segment Hierarchy describes the control segments in their order of occurrence in an EDI communications interchange.
- Table 10.2-2, DoD Convention ASC X12 Control Segments is a detailed description of the Department of Defense data conventions for formatting EDI standard control segments. All segments identified in Table 10.2-1 are broken down and described by their discrete data elements.

TABLE 10.2-1

Control Segment Hierarchy

	Control Segn			
Pos Seg No. ID	Name	Req Des	Uee	Loop
10 ISA	Interchange Control Header	М	1	
20 GS	Punctional Group Header	M	1	
•				
•	Grouped Transactions			
•				
30 GE	Functional Group Trailer	M	1	
40 IEA	Interchange Control Trailer	M	1	

TABLE 10.2-2

DoD Convention

ASC X12 Control Segments

Segment: ISA Interchange Control Header

M Usage:

Purpose: To start and identify an interchange of one

> or more functional groups and interchangerelated control segments. The actual values of the data element separator and the segment terminator for this interchange are set by the interchange control header. For a particular interchange, the value at the fourth character position is the data element separator, and the value of the last character position is the value of the seg-

ment terminator.

The interchange control number value in this

header must match the value in the same data element in the corresponding inter-

change control trailer.

		Data i	Element Summary			
Ref. Des.	Deta Element	Name		Atte	<u>lbutos</u>	<u> </u>
ISA01	101	Qualifier Code to is	ntion information dentify the type of information information.	M ation in	1D the	2/2
		Code	Definition			
		00	No Authorization Information	Present		
i .						

Authorization Qualifier [001]

> **Authorization Info** [002]

If no authorization information is agreed to by trading partners, fill field with zeroes.

ISA02 **Authorization Information** M AN 10/10

Information used for additional identification or authorization of the sender or the data in the interchange.

ISA03 Security Information Qualifler 2/2 Code to identify the type of information in the

security information.

Security Qualifier

[003]

Code Definition

00

No security information present.

ISA04 I04 Security Information

M AN 10/10

This is used for identifying the security information about the sender or the data in the interchange.

Security Info [004]

If no security information is agreed to by trading partners, fill field with zeroes.

ISA05 105 Interchange Id Qualifier

M ID 2/

Qualifier to designate the system/method of code structure used to designate the sender ID element being qualified.

Sender Qualifier [005]

Use authorized X12 code list.

ISA06 106 Interchange Sender's Id

M ID 15/15

Identification code published by the sender for other parties to use as the receiver ID to route data to them.

Sender Id [006]

DoD activities use Department of Defense Activity Address Code (DoDAAC) or other code coordinated with the value-added network (VAN). Non-DoD activities use identification code qualified by ISA05 and coordinated with the VAN.

ISA07 105 Interchange id Qualifier

M ID 2/2

Code to identify the type of information in the Authorization Information.

Interchange Qualifier [007]

Use authorized X12 code list.

Receiver Id 1 8001

DoD activities use Department of **Defense Activity Address Code** (DoDAAC) or other code coordinated with the value-added network (VAN). Non-DoD activities use identification code qualified by ISA05 and coordinated with the VAN.

> Date [009]

Assigned by translation software.

Time [010]

Assigned by translation software.

Standards Id [011]

> Version Id [012]

Version ID as defined or agreed upon by the trading partners.

ISA08 Interchange Receiver's Id M ID 15/15 107 Identification code published by the receiver of the

ISA09 108 **interchange Date** M DT

Date of the interchange.

ISA10 109 Interchange Time

Time of the interchange.

ISA11 110 Interchange Control Standard M ID 1/1 Identifier

> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer.

ISA12 111 Interchange Control Version 5/5

> This version number covers the interchange control segments and the functional group control segments.

Code Definition

03010 **Draft Standard for Trial Use Approved for** Publication by ASC X12 Procedures Review

Board Through October 1990

1	ISA13	112	Interchange Control Number M NG 9/9
Interchange Control Number [013]			This number uniquely identifies the interchange data to the sender.
Assigned by translation software.			
Acknowledgment Request	ISA14	113	Acknowledgment Requested M ID 1/1 Code sent by the sender to request an interchange acknowledgement.
[014]			
Code value agreed upon by trading partners.			Code Definition
	Í		No Acknowledgment Requested Interchange Acknowledgement Requested
	ISA15	114	Test Indicator M ID 1/1 Code to indicate whether data enclosed by this inter-
Test Indicator [015] Code value agreed upon by trading			change envelope is test or production.
periers.			Code Definition
			P Production Data T Test Data
	ISA16	115	Subelement Separator M AN 1/1
			This is a field reserved for future expansion in
Subelement Separator [016] Use ASCII character 55, colon ':'.			separating data element subgroups.

Segment: GS Functional Group Header

Usage: M

Purpose: To indicate the beginning of a functional

group and to provide control information

Comment: A. A functional group of related transac-

ards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group

trailer.

Syntax Notes: 01 The data interchange control number

(GS06) in this header must be identical to the same data element in the associated Functional Group Trailer

(GE02).

Data Element Summary

Ref. Des.	Deta Element	Name	Atte	ibutes	
GS01	479	Functional Id Code	M	ID	2/2
		Code identifying a group of application Sets.	ion re	lated	

Code Definition

IN 810 - Invoice Information

Functional Id [020]

Choose the code value appropriate to the information content of the functional group. See X12 Dictionary for source code list.

Sender's Code [021]

DoD activities use Department of Defense Activity Address Code (DoDAAC). Non-DoD activities use identification code assigned by DoD activity. Recommend for increased security that non-DoD code differ from that used in ISA06. GS02 142 Application Sender's Code M ID 2/12

Code identifying party sending transmission. Codes agreed to by trading partners.

GS03 124 Application Receiver's Code M ID 2/12
Code identifying party receiving transmission. Codes

Receiver's Code [022]

DoD activities use Department of Defense Activity Address Code (DoDAAC). Non-DoD activities use identification code assigned by DoD activity. Recommend for increased security that non-DoD code differ from that used in ISA08.

Date [023]

Assigned by translation software.

Time [024]

Assigned by translation software.

Group Control Number
[025]

Assigned by translation software.

Agency Code [026]

Indicates that an ANSI X12 standard is being transmitted.

agreed to by trading partners.

GS04 29 Group Date

Date sender generated a functional group of transac-

tion sets.

GS05 30 Group Time

M TM 4/4

M DT

Time (HHMM) when the sender generated a functional group of transaction sets (local time at sender's location).

GS06 28 Group Control Number

M NO 1/9

Assigned number originated and maintained by the sender.

GS07 455 Responsible Agency Code

M ID 1/2

Code used in conjunction with Data Element 480 to identify the issuer of the standard.

Code Definition

K Accredited Standards Committee X12

GS08 480 Version/Release/Industry id

M ID 1/12

Version/Release [027]

Code value agreed to by trading partners. See X12 Dictionary for source code list.

Code

Code indicating the version, release, subrelease and industry identifier of the EDI standard being used. (See X12 Dictionary)

Code Definition

003010 Draft Standards Approved By ASC X12 Through June 1990

Segment: GE Functional Group Trailer

Usage: M

Purpose: To indicate the end of a functional group

and to provide control information

Comment: A. The use of identical data interchange

control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding

header.

Syntax Notes: 01 The data interchange control number

(GE02) in this trailer must be identical to the same data element in the associated Functional Group Header

(GS06).

Data Element Summary

i		Deta Electronic Commery			
Ref. Des.	Deta Element	Name	Att	ributes	
GE01	97	Number of Included Sets	M	NO	1/6
		Total number of transaction sets in functional group or interchange (tr group terminated by the trailer conclement.	ansmis	sion)	

Number of Segments [028]

Assigned by the translation software.

Group Control Number [029]

Assigned by the translation software. This control number must match the control number of the preceding GS05 control number.

GE02 28 Group Control Number

M NO 1/9

Assigned number originated and maintained by the sender.

Segment: IEA Interchange Control Trailer

Usage: M

Pupose: To define the end of an interchange of one

or more functional groups and interchange

related control segments.

Note: The interchange control number in this

trailer must match the value in the same data element in the corresponding interchange

header.

Data Element Summary

Ref. Data
Dec. Element Name Attributes

IEA01 116 Number of Included Functional M NO 1/5

Groups

A count of the number of functional groups included in a transmission.

Functional Group Count [040]

Assigned by translation software.

Interchange Control Number [041]

Assigned by translation software. This number must match the number that occurs in ISA13.

IEA02 I12 Interchange Control Number M NO 9/8
This number uniquely identifies the interchange

This number uniquely identifies the interchange data to the sender.

10.5 DATA ELEMENT CROSS-REFER-ENCE MATRIX

Overview

This chapter lists the data element cross-reference between the Department of Defense (DoD) ASC X12 Transaction Set 810 Invoice (003010). We derived the cross-reference from the following:

- Examination of DoD invoice information data requirements.
- Analysis of ASC X12 Transaction Set 810 Invoice.
- Comments submitted by DoD activities involved in the DoD electronic data interchange effort.

Purpose

This chapter identifies specific data in an application and their corresponding EDI mapping into the Transaction Set 810. Data elements from an existing application database can be identified with elements in this cross-reference. If no application exists, the cross-reference provides enough information to develop a database design to automate the application. With an application in place, this cross-reference will expedite mapping of the database into a commercial EDI translation package. All trading partners who plan to exchange the 810 with DoD can use this document as a reference for the development of their database/EDI translator interface program.

Contents

One table is included in this chapter. Table 10.5-1, Data Element Cross-Reference lists all the discrete data elements of the DoD invoice data requirements and their corresponding segment and data element of the ASC X12 Transaction Set 810 Invoice.

TABLE 10.5-1

DATA ELEMENT CROSS-REFERENCE

DoD Invoice Data Using ASC X12 Transaction Set 810 Invoice.

How To Read This Table

Table 10.5-1 cross-references discrete DoD invoice data requirements to the corresponding segment and data elements of the Transaction Set 810. The following definitions explain how table 10.5-1 is organized. Understanding the information in this table requires familiarity with EDI standards.

Government References

The first three columns on the left in Table 10.5-1 identify the specific invoice data element.

- INVOICE DATA NAME: Lists individual data elements required to send an invoice. The user should identify these elements with a data name in their internal database system.
- INDEX: Three entries may appear in this column and represent various levels of indexing used to sort the data names in a data dictionary.
- Q: An asterisk (*) in this column identifies the data as a qualifier code.

EDI References

The remaining seven columns identify the detailed mapping of each data name into Transaction Set 810. Using these references is explained below in "How To Use This Table".

- AREA: The area of the transaction set where the data is mapped. A = header, B = detail, C = summary.
- POS: The sequential position of a specific segment within the area of the transaction set.
- REF DES: The first two or three alphanumeric characters identify a transaction set segment; the last two numeric characters in the column identify a data element position in the segment.
- DE #: The EDI data element number that appears at that position in the segment.
- VALUE: The recommended code value(s) that should be used.

• DoD CONVENTIONS: Additional information about the data as they apply to Department of Defense use.

How To Use This Table

This table maps a data element to a specific data element in an EDI transaction set.

- 1. Select any data element from the INVOICE DATA NAME list,
- 2. Identify the AREA, POS, and REF DES for that DATA NAME,
- 3. Go to Table 10.7-2 DoD Segment Hierarchy,
- 4. Find the AREA (Table A = header, etc.) in the hierarchy,
- 5. Locate the segment that corresponds to the POS and the REF DES. NOTE: The POS may not appear in some hierarchy tables. In this case, use the segment id identified by the first 2-3 characters in the REF DES,
- 6. In the left-hand column, identify the page number of the segment Id,
- 7. Turn to that page number in Table 10.7-3,
- 8. Now in the convention table 10.7-3, find the REF DES from step, 2 under the Ref. Des. column on the right hand side of the page,
- 9. You have now mapped a data element from table 10.5-1 into the convention table 10.7-3.

The INVOICE DATA NAME from Table 10.5-1 appears in the right hand column along with its INDEX and the DoD CONVENTION. The EDI standard definition of the data element appears in the right hand column of the page.

Each INVOICE DATA NAME from Table 10.5-1 can be mapped into the transaction set in this manner.

TENDER DATA NAME	MDEX	o	<	80	REF DES	*	VALUE	DoD CONVENTION ReqDee
Transaction Set Identifier Code	[001 A.]	•	-	01	ST01	143	810 - X12.2	- X12.2 Invoice The following comments provide mapping instructions for establishing a Public Voucher Invoice.
Transaction Set Control Number	[002 A]		_	9	ST02	83		Control No, (same number will be found in SE02 in Summary).
involce Date	[003 A.]	-	-	R	BIG01	245		Involce Date, expressed as YYMMDD. Notional BLOCK 4.
Invoice Number	[004 A.]		-	8	8002	2		A unique number assigned by the Billing Party. Notional BLOCK 1
Purchase Order Date	[006 A.]		-	a	BIG03	S		Notional BLOCK 5b.
Purchase Order Number	[006 A.]		-	R	B 1304	7 8		Procurement Instrument Identification Number, (PIIN). Notional BLOCK 5a.
Release Number	[007 A.]		-	8	B 1008	3		Califorder number. When applicable to entire involce, notional BLOCK 15a.
Change Order Sequence Number	[00e A]		-	ន	B1308	28		Modification Number, (SPIIN). Part of notional BLOCK Se.

[013.A.] 1 50 REF02 127		Use any listed ISO code, e.g., USD (U.S. Dollars), CAD (Canadian Dollars).	[611 A] 1 40 CUR02 100	Insert the CAGE of the setting party.	[010 A] 1 40 CUR01 98	- Credit Invoice - Corrected - Debit Invoice - Bebit Invoice - Rebiti - Use code RE for a selling party generated without processing a previously submitted progress payment. - Account Number - Government Bill of Lading - Document Mentification Code - Shipper's Identification Number for Shipment (SID) - Vendor ID Number - Mutually Defined - Account Number - Notional BLOCK 10. It is seller's unique Identification number Government Bill of Lading Number. Notice Code DD for the Requisition Number.	8 8 2 8	SUROT CUROT		8 8 8 8	- - - - -	• • •	[012 A] [012 A] [014 A]
N101 96 BY - Buying Party PR - Paying Office SE - Selling Party SF - Ship From ST - Ship Tom	Use code SI for Shipment Number and In applicable to the entire knoice. Use cod Account Number. Notional BLOCK 10. I the seller's unique identification number. Government Bill of Lading Number. Not Use code ZZ to represent the Schedule N BLOCK 2. 1 50 REF02 127	[612.A.] • 1 80 REF01 128 11 - Account Number BL Government Bill of Lading DD Document Identification Code SI - Shipper's Identification Code SI - Shipper's Identification Code SI - Shipper's Identification Code SI - Mutually Defined Account Number for Shipment (SID) Vendor ID Number for Shipment for Shipment for Shipment for Shipment for ID Number for Shipment for Shi	(Canadian Dollars). (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). BL - Account Number BL - Government Bill of Lading DD - Document Identification Code SI - Shipment (SID) VR - Vendor ID Number ZZ - Mutually Defined CZ - Mutually Defined De code Si for Shipment Number and in applicable to the entire invoice. Use cod Account Number. Notice all BLOCK 10. the seler's unique Identification number. Notice code Car to represent the Schedule Number. Notice Code D for the Requisition number. Notice Code Car to represent the Schedule Number. Notice	[611.A.] 1 40 CUR02 100 Use any listed ISO code, e.g., USD (U.S. (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). (Canadian Cada Si	[611.A.] 1 40 CURD2 100 Use any listed ISO code, e.g., USD (U.S. (Canadian Dollars). (Canad	• •							
	Use code SI for Shipment Number and In applicable to the entire invoice. Use cod Account Number. Notional BLOCK 10. I the seller's unique identification number. Government Bill of Lading Number. Not Use code DD for the Requisition Number. Not BLOCK 2.	[012.A.] • 1 50 REPO1 128 11 - Account Number BL - Government Bill of Lading DD - Document Identification Code SI - Shipper's Identifying Number for Shipment (SID) VR - Vendor ID Number Z - Mutually Defined Use code SI for Shipment Number and In applicable to the entire Invoice. Use cod Account Number. Notional BLOCK 10. L the seller's unique identification number. Government Bill of Lading Number. Not Use code ZZ to represent the Schedule N BLOCK 2.	[612.A.] * 1 50 REF01 128 11 - Account Number Bill of Lading DO - Document Bill of Lading DO - Shipper's Identification Code SI - Shipper's Identification Code SI - Vendor ID Number for Shipment (SID) VR - Vendor ID Number for Shipment Number for Code Account Number for Code Account Number. Not Code ID Number for Code ID Number. Not Code ID Number for Code ID Number. Not Code ID Number for Code ID Number. Not Code ID Number ID Number. Not Code ID Number	[611.A.] 1 40 CUR02 100 Use any listed ISO code, e.g., USD (U.S. (Canadian Dollars). (Canad	1 40 CUR02 100 Use any listed ISO code, e.g., USD (U.S. (Canadian Dollars). (Shipper's Identifying Number for Shipment (SID) VR Vendor ID Number for Shipment (SID) VR Vendor ID Number. Notional BLOCK 10. L. the seller's unique identification number. Note code DO for the Requisition Number. Note code DO for the Shipment the Schedule Net Code ZZ to represent the	- Buying Party - Paying Office - Selling Party	8	5	Ž	R	-	•	14A]
	Use code SI for Shipment Number and applicable to the entire invoice. Use of Account Number. Notional BLOCK 10. the seler's unique identification number Government Bill of Lading Number. Ocide DD for the Requisition Number. Use code ZZ to represent the Schedulk BLOCK 2.	[012.A.] • 1 50 REF01 128 11 - Account Number BL - Government Bill of Lading DD - Document Identification Code SI - Shipper's Identifying Number for Shipment (SID) VR - Vendor ID Number ZZ - Mutually Defined Use code SI for Shipment Number and in applicable to the entire invoice. Use cod Account Number. Notional BLOCK 10. It the seller's unique Identification number. Government Bill of Lading Number. Notional BLOCK 10. It the seller's unique Identification number. Government Bill of Lading Number. Notional BLOCK 10. It the seller's unique Identification Number. Notice code DD for the Requisition Number.	(Canadian Dollars). (Canadian	[611 A] 1 40 CUROZ 100 Use any listed ISO code, e.g., USD (U.S. (Canadian Dollars). (Canadian Dollars). (Canadian Dollars). 11 - Account Number BL Government Bill of Lading DD - Document Identification Code SI - Shipper's Identifying Number for Shipment (SID) VR - Vendor ID Number ZZ - Mutually Defined Use code SI for Shipment Number. Notification number. Government Bill of Lading Number. Notification number.	[612.A.] 1 40 CUR02 100 Use any listed ISO code, e.g., USD (U.S. (Canadian Bollars). (Canad					ł	ł		•
		[012.A.] * 1 50 REF01 125 11 . BL . DO St .	[012.A.] * 1 50 REF01 128 11 - Account BL - Govern DD - Docum SI - Shippe VR - Vendor ZZ - Mutual	[012A] 1 40 CUR02 100 [012A] 1 50 REF01 128 11 - Accound BL - Govern DD - Docum SI - Shippe VR - Vendor	[012A] 1 40 CUR02 100 [012A] 1 1 50 REF01 128 11 - Accound BL - Govern DD - Docum SI - Shippe VR - Vendor	Use code SI for Shipment Number and Indicator when applicable to the entire invoice. Use code 11 for Payes' Account Number. Notional BLOCK 10. Use code VR to the seller's unique identification number. Use code BL Government Bill of Lading Number. Notional BLOCK 14, code DD for the Requisition Number. Notional BLOCK 1 Use code ZZ to represent the Schedule Number. Notional BLOCK BLOCK 2.							
Use code SI for Shipment Number and Indicator when applicable to the entire Invoice. Use code 11 for Payee's Account Number. Notional BLOCK 10. Use code VR to carry the seller's unique identification number. Use code BL for the Government Bill of Lading Number. Notional BLOCK 14. Use code DD for the Requisition Number. Notional BLOCK 6s. Use code ZZ to represent the Schedule Number. Notional BLOCK 2.	١			[611.A.] 1 40 CUR02 100	[611 A] 1 40 CUR02 100		8	Ē	E	8	-	•	1 Y Z Y
[611.4.] 1 40 CUR02 100 Use any listed ISO code, e.g., USD (U.S. (Canadian Dollars). (Canadian) (Canadian)	[611 A] 1 40 CUR01 98 [611 A] 1 40 CUR02 100 [612 A] 1 50 REF01 128 11 - Accound BL - Govern DD - Docum SI - Shippe SI - Shipp	1 40 CUR01 96 1 40 CUR02 100	1 40 CUR01 98	1 40 CUR01		Use code RE for a selling party generated request to wit without processing a previously submitted request for a progress payment.		,	:				į
[616 A] 1 40 CUR01 98 Insert the CAGE of the selling party. [611 A] 1 40 CUR02 100 Use any listed ISO code, e.g., USD (U.S. (Canadian Dollars). Government Bill of Lading DD Document Manther Code SI Shipper's Identification Code SI Shipper's Identification Code SI Shipper's Identification Rumber and in applicable to the entire involce. Use cod Account Mumber. Notional BLOCK 10. It is estimated the select unique identification number. Government Bill of Lading Sumber. Notional BLOCK 10. It is estimated the Schedule Nethole. Use code DD for the Requisition Number. Notional BLOCK 2. BLOCK 2.	[616 A] 1 40 CURD1 98 [611 A] 1 40 CURD2 100 [612 A] 1 40 CURD2 100 BL - Govern DD - Docum SI - Shippe VR - Vendor	1 40 CUR01 98 1 40 CUR02 100	1 40 CUP01 98	1 40 CUR01 96	Use code RE for a selling party generated request to withdraw without processing a previously submitted request for a progress payment.	• • • •	3	200	ă	ล	-	•	(V • V

Name Total Code Total Code	TENDER DATA NAME	MDEX	σ	<	80	NEF DES	DE	VALUE		Ded CONVENTION Reques
[016 A] * 1 70 N103 96 10 - DOOM 23 - CAGE 27 - Muruel [016 A] 1 70 N104 67 [016 A] 1 80 N202 83 [020 A] 1 80 N301 166	Neme	[015A]		· •	R	N 102	8			Use only when address of the Selling Party, Ship From, or Ship To (N101 codes SE, SF and ST) cannot be described using party's CAGE Code (N103 code 33 and N104, the actual CAGE Code).
[017 A]	identification Code Qualifier	[016.A.]	•	-	٤	N 103	8			
[018 A] 1 60 NZ01 83 [018 A] 1 80 NZ02 83 se information [020 A] 1 90 N301 166	Identification Code	[017.A.]		_	٤	X	5		 	Use actual DODAAC of Paying Office or Cage Code of Selling Party.
1 80 N202 83 1 80 N202 83 1 80 N301 166	Name	[018A]		-	8	N201	8		:	Use only when address cannot be described using a code in the N1 segment.
[020 A] 1 90 N301 166	Name	[010 A.]		-	8	202N	8			Use only when address cannot be described using a code in the N1 segment.
	Address Information	[020 A]		-	8	1000	8			Use only when address cannot be described using a code in the N1 segment. (If used, carry itsms such as building number, street name, suite, appartment or office number. For example: 10 Main Street, Suite 300.).

Address information	[021 A.]	-	8	N302	99		
							If needed, an additional 2nd line of address, use only when address cannot be described using a code in the N1 segment.
City Name	[022 A]	-	8	2	5		
							City Name, use only when address cannot be described using a code in the N1 segment.
State or Province Code	[023 A]	-	8	7	8		
					,		Two-character code for State.
Postal Code	[024 A.]	-	8	24 03	116		
							Zip Code.
Terms Discount Percent	[028 A]	-	8	1000 2001	336		
							Discount Percent. Notional BLOCK 9.
Terms Discount Days Due	[028 A.]	-	8	1005	8		
							Discount Days.
Terms Net Days	[027 A.]	-	8	TD07	88		
Date/Time Qualifier	. [vsco]	-	š	DTMO	374	988	- Purchase Order - Delivered - Buyers Local
							Code 004 is the actual date of order and code 035 the actual delivery date for supplies or performance date for services when date applies to the entire involce. Notional BLOCK 15b or 16. Use code 053 for the requisition date. Notional BLOCK
Date	[028 A]	-	5	DTM02	33		
Measurement Qualifier	[030 A]	-	Ē	MEAD	25.	*	- Weight
	,						Aways use code WT.

TENDER DATA NAME	INDEX	σ	<	808	HEF DES	DE #	VALUE	Dod CONVENTION Reques
Measurement Value	[631 A.]		_	52	MEACS	736		
								The weight in pounds of the items cited for payment in the Public Voucher. Notional BLOCK 13.
Unit of Measurement Code	[022 A.]		-	5	MEAD	88	AP - Actual	- Actual Pounds
								Aways use code AP.
Assigned Identification	[033 A.]		2	5	101	360		
								REQUIRED CLIN or SUBCLIN. Notional BLOCK 17.
Quantity involved	[034 A.]		2	5	35	988		
								Notional BLOCK 18.
Unit of Measurement Code	[036 A.]		2	5	T188	366		
								Any code may be used. Notional BLOCK 20.
Unit Price	[036 A.]		7	9	P S	212		
								Unit Price, as specified in the contract, of the CLIN or SUBCLIN carried in IT101. Notional BLOCK 19.
Besis of Unit Price Code	[657 A.]		8	9	F108	8		
Product/Service ID Qualifier	[038 A.]		~	9	H106	23		
								Use amy code.
Product/Service ID	[038 A.]		~	9	П107	য়		
								Carry actual number.
Product/Service ID Qualifier	[040 A]		8	5	1308	83		
								Use any code.

Product/Service ID	[M1 A]	8	5	901E	7 83	
						Carry actual number.
Product/Service ID Qualifier	[042 A.]	~	5	F110	236	
			}			Use any code.
Product/Service ID	[043 A]	8	5	IT111	722	
						Carry actual number.
Product/Service ID Qualifier	[044 A]	8	9	П112	236	
						Use any code.
Product/Service ID	[045 A.]	~	2	П113	727	
						Carry actual number.
Product/Service ID Qualifier	[046 A.]	8	5	IT114	82	
						Use any code.
Product/Service ID	[047 A.]	~	2	T115	727	
						Carry actual number.
Product/Service ID Qualifier	[ose A.]	a	2	F116	236	
						Use any code.
Product/Service ID	[04e A.]	~	2	II.17	25	
						Carry actual number.
Product/Service ID Qualifler	[080 A.]	~	2	F118	236	
						Use any code.
Product/Service 10	[061 A]	~	5	IT119	122	
						Carry actual number.

TENDER DATA NAME	MDEX	ø	~	8	REF	DE #	DE # VALUE	Ded CONVENTION Reques
Product/Service ID Qualifier	[062 A]		8	ō.	IT 120	236		
								Use any code.
Product/Service ID	[063 A.]		8	9	П121	234		
								Carry actual number.
Product/Service ID Qualifier	[064 A]		N	5	T122	83		
								Use any code.
Product/Service ID	[066 A]		N	5	T123	ន		
								Carry actual number.
Product/Service ID Qualifier	[066 A.]		~	9	IT124	83		
								Use any code.
Product/Service ID	[067 A.]		~	5	F128	ž		
								Carry actual number.
Nem Description Type	[068 A.]	•	~	8	- - - -	3	F - Free-Form	-Form
								Use code F to satisfy the syntax.
Description	[000 A]		N	8	F086	28		
								Description of cited line or subline hem. Notional BLOCK 17.

Hererande Number Cualmer		•	N	3	<u> </u>		22	- Purchase Order Number - Shipment (SID)
								Use code Si for Shipment Number and indicator when applicable to the cited line or subline item. Use code PO for Order Number when applicable at the item level. Notional BLOCK 15s.
Reference Number	[061 A.]		~	8	REFOZ	127		
Description	[062 A.]		~	8	REFOS	8		When REF01 is code AT, REF03 will carry the Accounting Cleasification.
Dete/Time Qualifier	[063 A.]	-	~	8	DTMO	374	\$8	- Purchase Order - Delivered
								Code 004 is the actual date of order and code 0035 the delivery date for supplies or performance date for services for cited line or subline item.
Dete	[064 A]		~	8	DTMO2	373		
								Actual Shipment Date for cited line or subline Hem.
Entity identifier Code	[086 A.]	•	~	240	N 101	8	অঞ	- Ship From - Ship To
								Use segment when applicable to cited line or subline item. Notional BLOCKS 11 and 12.
Neme	[006 A.]		~	92	SIS	8		
								Use when address of Ship From or Ship To (codes SF and ST) cannot be described using party's CAGE Code or DODAAC (N103 code 33 and N104, the actual CAGE Code or DODAAC).
Identification Code Qualifler	[067 A.]		~	8	818	8	58	· DODAAC · CAGE
								Use code 10 when N101 is code ST and a DoD address. Use code 33 when N101 is code SF or when the ST address is another contractor.

TENDER DATA NAME	NOEX	∢	80	REF DES	DE #	VALUE	DoD CONVENTION Reques
Identification Code	[000 A]	8	240	NOT N	6		
							Use actual DODAAC or CAGE Code of Ship To (ST) or CAGE Code of Ship From (code SF).
Name	[veev]	8	83	102N	8		
							Use only when address cannot be described using a code in the Nt segment.
Neme	[070 A]	8	22	202	8		
							Use only when address cannot be described using a code in the N1 segment.
Address Information	[or A]	8	88	<u>8</u>	\$		
							Use only when address cannot be described using a code in the N1 segment. (If used, carry items such as building number, street name, suite, appartment or office number. For example: 10 Main Street, Suite 300.).
Address Information	[072 A]	8	88	2002	Ē		
							If needed, an additional 2nd line of address, use only when address cannot be described using a code in the N1 segment.
City Name	[ors A.]	~	2	5	2		
							City Name, use only when address cannot be described using a code in the N1 segment.
State or Province Code	[074A]	8	8	X	\$		
							Two-character code for State.
Poetal Code	[078 A.]	~	22	8	92		
							Zip Code.

Total Invoice Amount	[076 A.]	n	6	TDS01 361	36	Notional BLOCK 22.
Number of Line Nems	[077 A.]	6	٤	CTT01 384	*	CTT01 will carry the accumulation of the number of IT1 segments contained in the transaction set.
Number of Included Segments	[078.A.]	6	3 80 SE01	SEO.	98	
Transaction Set Control Number	[679 A.]	6	8	3 80 SE02	329	Control No, (same number will be found in ST02 in Header.)

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10.7 DoD CONVENTIONS

Overview

This chapter is the convention for the ASC X12 Transaction Set 810 (Version 003010) as used by the Department of Defense for accepting an invoice. It was derived from:

- Table 10.5-1, Data Element Cross-Reference Matrix that describes the discrete DoD data requirements for invoices.
- ASC X12 Transaction Set 810 Invoice.

A relational database management system was used to merge the Data Element Cross-Reference Matrix and a Transaction Set 810 database into the subset of 810 segments described in table 10.7-3 of this chapter.

Purpose

This chapter contains all necessary information for a DoD trading partner to map and translate a Transaction Set 810. All trading partners who plan to exchange the Transaction Set 810 can use this document as a reference for the development of their EDI database/translator interface program.

Contents

Three tables are included in this chapter.

- Table 10.7-1, ASC X12 Transaction Set 810 Segment Hierarchy describes the 810 segments as they appear in the ASC X12 Standards Dictionary.
- Table 10.7-2, DoD Model Transaction Set 810 Segment Hierarchy describes the subset of 810 segments used for sending Public Voucher invoices.
- Table 10.7-3, Conventions is a detailed description of the Department of Defense conventions for transmitting Transaction Set 810. All segments identified in Table 10.7-2 are detailed in Table 10.7-3 by segment, position, and code value.

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TABLE 10.7-1

SEGMENT HIERARCHY

ASC X12 TRANSACTION SET 810 INVOICE (Version 003010)

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ASC X12.xx Transaction Set810V310 Transaction Set Name and Version Segment Hierarchy

1 1		Table 1 - Header Are	71		
Pos No.	Seg ID	Name	Req Des	Uee	Loop
10	ST	Transaction Set Header	M	1	
20	BIG	Beginning Segment for Invoice	M	1	
30	NTE	Note/Special Instruction	F	100	
40	CUR	Currency	0	1	
50	REF	Reference Numbers	0	12	
60	PER	Administrative Communications Contact	0	3	
70	N1	Name	0	1	N1\200
●	N2	Additional Name Information	0	2	
•••	N3	Address Information	0	2	
100	N4	Geographic Location	0	1	
110	REF	Reference Numbers	0	12	
120	PER	Administrative Communications Contact	0	3	
130	πъ	Terms of Sale/Deferred Terms of Sale	0	5	
140	DTM	Date/Time Reference	0	10	
150	FOB	F.O.B. Related Instructions	0	1	
160	PID	Product/Item Description	0	200	
170	MEA	Measurements	0	40	
180	PWK	Paperwork	0	25	
190	PKG	Marking, Packaging, Loading	0	25	
200	L7	Tariff Reference	0	1	
		Table 2 - Detail Area	A		
Pos No.	Seg ID	Name	Req Des	Use	Loop
10	T1	Baseline Item Data (Invoice)	0	1	l∏1\200000
20	CUR	Currency	0	1	
30	ПЗ	Additional Item Data	0	5	
40	TXI	Tax Information	0	10	
1			-		

50	MEA	Measurements	0	40	
80	PID	Product/Item Description	0	1	PID\1000
70	MEA	Measurements	0	10	
80	PWK	Paperwork	0	25	
90	PKG	Marking, Packaging, Loading	0	25	
100	PO4	Item Physical Details	0	1	
110	ITO	Terms of Sale/Deferred Terms of Sale	0	2	
120	REF	Reference Numbers	0	1	
130	PER	Administrative Communications Contact	9	5	
140	SDQ	Destination Quantity	0	500	
150	DTM	Date/Time Reference	0	10	
160	CAD	Carrier Detail	0	1	
170	L7	Tariff Reference	0	1	
180	ITA	Allowance, Charge or Service	0	1	ITA\10
190	TXI	Tax Information	0	10	
200	SLN	Subline Item Detail	0	1	SLN\1000
210	REF	Reference Numbers	0	1	
220	PID	Product/Item Description	0	1000	
230	ПА	Allowance, Charge or Service	0	10	
240	N1	Name	0	1	N1\200
250	N2	Additional Name Information	0	2	
200	N3	Address Information	0	2	
270	N4	Geographic Location	0	1	
280	REF	Reference Numbers	0	12	
290	PER	Administrative Communications Contact	0	3	
		Table 3 - Summary A	rea		
Pos No.	Seg ID	Name	Req Des	Use	Loop
10	TDS	Total Monetary Value Summary	M	1	
20	TXI	Tax Information	0	10	
30	CAD	Carrier Detail	0	1	

USE

810 INVOICE (Public Voucher) ANSI ASC X12 VERSION/RELEASE 003010DOD

0 CTT Transaction Totals M 1
70 CTT Transaction Totals M 1
SE Transaction Set Trailer M 1

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TABLE 10.7-2

SEGMENT HIERARCHY

DoD MODEL FOR TRANSACTION SET 810 INVOICE

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ASC X12.xx Transaction Set810V310 Transaction Set Name and Version Segment Hierarchy

			Table 1 - Header Are			
P	os Seg o. ID	9	Name	Req Des	Uee	Loop
_	0 S1	T	Transaction Set Header	M	1	
2) BI	IG	Beginning Segment for Invoice	M	1	
4) CI	UR	Currency	0	1	
5) Ri	EF	Reference Numbers	0	12	
7	0 N	1	Name	0	1	N1\2.0
•	D Na	2	Additional Name Information	0	2	
•	D N	3	Address Information	0	2	
1	00 N	4	Geographic Location	0	1	
1	30 IT	D	Terms of Sale/Deferred Terms of Sale	0	5	
1	40 D.	TM	Date/Time Reference	0	10	
-			Table 2 - Detail Area	a		
	os Se lo. ID		Name	Req Des	Use	Loop
-	о п	'1	Baseline Item Data (Invoice)	0	1	IT1\200000
1						
	D PI	ID	Product/Item Description	0	1	PID\1000
•			Product/Item Description Reference Numbers	0	1	PID\1000
1	20 RI	EF	· · · · · · · · · · · · · · · · · · ·			PID\1000
1 1	20 RI	EF TM	Reference Numbers	0	1	PID\1000
1111	20 RI	EF TM	Reference Numbers Date/Time Reference	0	1 10	PID\1000 N1\200
11 11 12 2	20 Ri 50 Di 70 L7	EF TM 7	Reference Numbers Date/Time Reference Tariff Reference	0 0	1 10 1	
1 1 1 2 2 2	20 RI 50 D1 70 L7	EF TM 7	Reference Numbers Date/Time Reference Tariff Reference Name	0 0 0	1 10 1	

Pos No.	Seg ID	Table 3 - Summary A	Req Des	Use	Loop
10	TDS	Total Monetary Value Summary	M	1	
ю	ПА	Allowance, Charge or Service	0	1	ITA\10
70	стт	Transaction Totals	M	1	
80	SE	Transaction Set Trailer	M	1	

USE

TABLE 10.7-3

DoD 810 CONVENTION

How To Read This Table

This table contains two sets of references. ASC X12 references are contained in the right-hand column. Government references are contained in the left-hand column except for codes lists which are included in the right-hand column.

Government References

The left-hand and middle columns in Table 10.7-3 describe Department of Defense conventions.

- Lest-hand column contains two general references.
 - > INDEX: is enclosed in brackets and corresponds to a specific INDEX from Table 10.5-1.
 - > INVOICE DATA NAME: Appears above the INDEX and corresponds to a specific DATA NAME from Table 10.5-1.
- Middle column: Contains a less-than sign to indicate where Department of Defense conventions vary from the ASC X12 convention.

To help the user determine the source data, the INDEX can be used to trace data elements back to Table 10.5-1.

ASC X12 References

The right-hand column describes the ASC X12 conventions. The information included at the beginning of a segment description is standard ASC X12 information. The subheadings listed under Data Element Summary describe conventions for each data element in the segment.

- > Ref Des, Data Element, Attributes: Three subheadings describe the format of the segment as prescribed by ASC X12.
- > Name: Describes the ASC X12 data element and offers the standard definition. It also lists the specific code values the Department of Defense prescribes and may provide other Department of Defense information.

How To Use This Table

This table can be used to identify the data contained in populated Transaction Set 810.

- 1. Identify a segment from a populated transaction set (See Appendix 10.C for examples of the 810).
- 2. Look up the segment in table 10.7-3.
- 3. Read the right-hand column to identify the Reference Designator (Ref.Des.). The Reference Designator combines the segment id and the data element position to form a single identifier.
- 4. Read the left-hand column immediately adjacent to the Reference Designator to find the discrete DATA NAME, INDEX, and DoD CONVENTION from Table 10.5-1 that is mapped to that Reference Designator. When multiple DATA NAMEs appear for a single Reference Designator, there is usually a code qualifier somewhere in the same segment that identifies the data.

Segment: ST Transaction Set Header

Table: 1
Sequence: 10
Usage: M
Max Use: 1
Loop:

Purpose: To indicate the start of a transaction set

and to assign a control number

Comment: A. The transaction set identifier (ST01) is

intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice

transaction set).

Transaction Set Identifier Code [001 A *]

The following comments provide mapping instructions for establishing a Public Voucher invoice.

Transaction Set Control Number [002 A] **ST02**

Control No, (same number will be found in SE02 in Summary).

		Data Element Summary		
Ref. Dec.	Date Element	Namo	Attributes	
ST01	143	Transaction Set Identifier Code	M ID	3/3
		Code uniquely identifying a Transact	tion Set.	

Code	Definition
810	X12.2 Invoice

329 Transaction Set Control Number M AN 4/9
Identifying control number assigned by the originator for a transaction set.

Segment: BIG Beginning Segment for Invoice

Table: Sequence: 20 Usage: M Max Use: 1

Loop:

Purpose: To indicate the beginning of an invoice

transaction set and to transmit identifying

numbers and dates.

A. BIG07 is used only to further define the Comment:

type of invoice when needed.

Data Element Summary Element Name Des. Attributes BIG01 245 invoice Date DT Invoice Issue Date.

Invoice Date [003 A]

BIG02

Invoice Date, expressed as YYM-MDD. Notional BLOCK 4.

> Invoice Number [004 A]

A unique number assigned by the Billing Party. Notional BLOCK 1

> **Purchase Order Date** [005 A]

Notional BLOCK 5b.

Identifying number assigned by issuer.

76 Invoice Number

BiG03 Purchase Order Date

O DT

AN 1/22

Date assigned by the purchaser to Purchase Order.

Purchase Order Number [006 A]

Procurement Instrument Identification Number, (PIN). Notional BLOCK 5a.

Release Number [007 A]

Call/order number. When applicable to entire invoice, notional BLOCK 15a.

Change Order Sequence Number [008 A]

Modification Number, (SPIIN). Part of notional BLOCK 5a.

Transaction Type Code [009 A *]

Use code RE for a selling party generated request to withdraw without processing a previously submitted request for a progress payment. BIG04 324 Purchase Order Number O AN 1/22

Identifying number for Purchase Order assigned by the orderer/purchaser.

BIG05 328 Release Number

O AN 1/30

Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.

BIG06 327 Change Order Sequence Number O AN 1/8

Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set.

BIG07 640 Transaction Type Code O ID

Code specifying the type of transaction.

Code Definition
CN Credit Invoice
CO Corrected

DI Debit invoice RE Rebili 2/2

Segment: CUR Currency

Table: 1
Sequence: 40
Usage: O
Max Use: 1
Loop:

Purpose: To specify the currency (dollars, pounds,

francs, etc.) used in a transaction

Comment: A. (See X12 Dictionary)

Syntax Notes: 01 If CUR08 is present, then CUR07 is re-

quired.

02 If CUR09 is present, then CUR07 is re-

quired.

03 If CUR11 is present, then CUR10 is re-

quired.

04 If CUR12 is present, then CUR10 is re-

quired.

05 If CUR14 is present, then CUR13 is re-

quired.

06 If CUR15 is present, then CUR13 is re-

quired.

07 If CUR17 is present, then CUR16 is re-

quired.

08 If CUR18 is present, then CUR16 is re-

quired.

09 If CUR20 is present, then CUR19 is re-

avired.

10 If CUR21 is present, then CUR19 is re-

quired.

Data Element Summary

Ref. Data
Dec. Element Name

Attributes

CUR01 98 Entity Identifier Code

M ID 2/2

Code identifying an organizational entity or a physical location.

Entity ID Code [010 A]

Insert the CAGE of the selling party.

Currency Code [011 A]

Use any listed ISO code, e.g., USD (U.S. Dollars), CAD (Canadian Dollars).

CUR02 100 Currency Code M ID 3/3

Code (Standard ISO) for country in whose currency the charges are specified.

CUR03	280	Exchange Rate	0	R	4/6
CUR04	98	Entity Identifier Code	0	ID	2/2
CUR05	100	Currency Code	0	ID	3/3
CUR06	669	Currency Market/Exchange Code	0	Œ	3/3
CUR07	374	Date/Time Qualifier	С	ID	3/3
CUROS	373	Date	0	DT	6/6
CUR09	337	Time	0	TM	4/4
CUR10	374	Date/Time Qualifier	С	ID	3/3
CUR11	373	Date	0	DT	6/6
CUR12	337	Time	0	TM	4/4
CUR13	374	Dete/Time Qualifier	С	ID	3/3
CUR14	373	Dete	0	DT	6/6
CUR15	337	Time	0	TM	4/4
CUR16	374	Dete/Time Qualifier	С	ID	3/3

CUR17	373	Date	0	DT	6/6
CUR18	337	Time	0	TM	4/4
CUR19	374	Date/Time Qualifier	С	ID	3/3
CUR20	373	Date	o	DT	6/6
CUR21	337	Time	0	TM	4/4

Segment: REF Reference Numbers

Table: 1
Sequence: 50
Usage: 0
Max Use: 12

Loop:

Purpose: To specify identifying numbers.

Syntax Notes: 02 Either REF02 or REF03 is required.

Data Element Summary

Ref. Deta
Dec. Element Name Attributes

REF01 128 Reference Number Qualifier M ID

Code qualifying the Reference Number.

Reference Number Qualifier [012 A *]

Use code SI for Shipment Number and Indicator when applicable to the entire invoice. Use code 11 for Payee's Account Number. Notional BLOCK 10. Use code VR to carry the seller's unique identification number. Use code BL for the Government Bill of Lading Number. Notional BLOCK 14. Use code DD for the Requisition Number. Notional BLOCK 6a. Use code ZZ to represent the Schedule Number. Notional BLOCK 2.

Code Definition

11 Account Number

BL Government Bill of Lading

DD Document Identification Code

SI Shipper's Identifying Number for Shipment (SID)

VR Vendor ID Number

ZZ Mutually Defined

REF02 127 Reference Number

C AN 1/30

2/2

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

REF03 352 Description

C AN 1/80

Reference Number [013 A]

Segment: N1 Name

Table: 1
Sequence: 70
Usage: 0
Max Use: 1

Loop:

Purpose: To identify a party by type of organization,

name and code

Comment: A. This segment, used alone, provides the

most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing

party.

Syntax Notes: 01 At least one of N102 or N103 must be

present.

02 If either N103 or N104 is present, then

the other is required.

Data Element Summary

Dee.	Element 98	Name		Attributes		
N101		Entity Identifier Code	M	ID	2/2	
		Code identifying an organizationa cal location.	l entity o	rap!	ıysi-	

Entity Identifier Code [014 A *]

Always use codes PR and SE. When the Ship To and/or the Ship From apply to the entire invoice, use codes SF and ST. Notional BLOCKS 3, 7, 11, and 12. Code BY is the Agency.

Code	Definition	
BY	Buying Party (Purchaser)	
PR	Paying Office	
SE	Selling Party	
SF	Ship From	
ST	Ship To	

Name [015 A]

Use only when address of the Selfing Party, Ship From, or Ship To (N101 codes SE, SF and ST) cannot be described using party's CAGE Code (N103 code 33 and N104, the actual CAGE Code).

Identification Code Qualifier
[016 A *]

Use code 10 when N101 is code PR or code ST (when the ST address is a DoD activity), use code 33 when N101 is code SE or SF, or when the ST address is another contractor.

Use code ZZ for DFARS Appendix N (G) code.

Identification Code [017 A]

Use actual DODAAC of Payling Office or Cage Code of Selling Party.

N102 93 Name C AN 1/35 Free-form name.

N103 66 Identification Code Qualifier

C ID 1/2

Code designating the system/method of code structure used for Identification Code (67).

Code Definition

10 DODAAC

33 CAGE

ZZ Mutually Defined

N104 67 Identification Code

C ID 2/17

Code identifying a party.

Segment: N2 Additional Name Information

Table: 1
Sequence: 80
Usage: 0
Max Use: 2

Loop:

Purpose: To specify additional names or those

longer than 35 characters in length

Ref. Deta
Dec. Element Name

N201 93 Name
Free-form name.

Attributes

M AN 1/35

Name [018 A]

Use only when address cannot be described using a code in the N1 segment.

Name [019 A]

Use only when address cannot be described using a code in the N1 segment.

N202 93 Name O AN 1/35
Free-form name.

Segment: N3 Address Information

Table: 1
Sequence: 90
Usage: 0
Max Use: 2
Loop:

Purpose: To specify the location of the named party

Ref. Deta Element Summary Ref. Deta Element Name Attributes N301 166 Address Information Address information

Address Information [020 A]

Use only when address cannot be described using a code in the N1 segment. (If used, carry items such as building number, street name, suite, appartment or office number. For example: 10 Main Street, Suite 300.).

Address Information [021 A]

If needed, an additional 2nd line of address, use only when address cannot be described using a code in the N1 segment.

Segment: N4 Geographic Location

Table: 1
Sequence: 100
Usage: O
Max Use: 1
Loop:

Purpose: To specify the geographic place of the

named party

Comment: A. A combination of either N401 through

N404 (or N405 and N406) may be ade-

quate to specify a location.

B. N402 is required only if city name

(N401) is in the USA or Canada.

Syntax Notes: 01 At least one of N401 or N405 must be

present.

02 If N401 is present, then N402 is re-

quired.

03 If either N405 or N406 is present, then

the other is required.

Ref. Data Element Summary

Ref. Deta
Dec. Element Name

Attributes

C AN 2/19

Free-form text for city name.

City Name [022 A]

N402

City Name, use only when address cannot be described using a code in the N1 segment.

State or Province Code [023 A]

Two-character code for State.

156 State or Province Code C ID 2/2
Code (Standard State/Province) defined by appropriate governmental agencies.

O ID

4/9

	Code defining international postal zone code excluding punctuation and blanks (zip code for United States).
ostal Code	
[024 A]	
To Code	

N403

116 Poetal Code

P Zip Code.

N404 N405	26	Country Code Location Qualifier	0		2/2 1/2
	309		o		
N406	310	Location identifier	С	AN	1/25

Segment: ITD Terms of Sale/Deferred Terms

of Sale

Table: 1
Sequence: 130
Usage: O
Max Use: 5
Loop:

Purpose: To specify terms of sale.

Comment: A. If the code in ITD01 is 04, then ITD09

is required and either ITD11 or ITD12 is required. If the code in ITD01 equals 05, then ITD06 or ITD07 is required.

Syntax Notes: 01 If ITD03 is present, then at least one of

ITD04, ITD05, ITD13 is required.

02 If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.

03 If ITD09 is present, then ITD10 or

ITD11 is required.

Data	Element Summary	
------	------------------------	--

Ref. Dec.	Deta Element	Name	Att	ributes	<u> </u>
ITD01	336	Terms Type Code	0	ID	2/2
ITD02	333	Terms Basis Date Code	0	aı	1/2
ITD03	338	Terms Discount Percent Terms discount percentage, expressed available to the purchaser if an invoice	as 8		
		hefore the Terms Discount Due Date	; 12 J	DELICE O	n or

Terms Discount Percent [025 A]

Discount Percent. Notio..al BLOCK

y.

ITD04 370 Terms Discount Due Date C DT 6/6

1	1						
Terms Discount Days Due [026 A] Discount Days.	ITD05	351	Terms Discount Days Due Number of days in the terms discour which payment is due if terms discou	C NO 1/3 scount period by discount is earned.			
	ITDOS	446	Terms Net Due Date	0	DT	6/6	
Terms Net Days	ITD07	386	Terms Net Days Number of days until total invoice as (discount not applicable).	O mount	NO is du	1/3 c	
[027 A]	ITD08	362	Terms Discount Amount	0	N2	1/10	
	ITD09	388	Terms Deterred Due Date	0	DT	6/6	
	ITD10	389	Deferred Amount Due	C	N2	1/10	
	ווסדו	342	Percent of Invoice Payable	C	R	1/5	
	ITD12	352	Description	0	AN	1/80	
	ПО13	765	Day of Month	C	No	1/2	
:	ITD14	107	Payment Method Code	0	ID	1/1	

Segment: DTM Date/Time Reference

Table: 1
Sequence: 140
Usage: O
Max Use: 10

Loop:

Purpose: To specify pertinent dates and times

Date/Time Qualifier [028 A *]

Code 004 is the actual date of order and code 035 the actual delivery date for supplies or performance date for services when date applies to the entire invoice. Notional BLOCK 15b or 16. Use code 053 for the requisition date. Notional BLOCK 6b.

Date [029 A]

DTM03 337 Time

Time Code

DTM04 623

	Syntax	Notes: 01 At least one of DTM02	or DT	M03	
		must be present.			
		Data Element Summary			
Plef. Dec.	Data Element	Name	Atte	ributee	
DTM01	374	Date/Time Qualifier	M	ID	3/3
		Code specifying type of date or time and time.	, or bo	oth da	te
		Code Definition			
		004 Purchase Order 035 Delivered			
		053 Buyers Local			
DTM02	2 373	Date	C	DT	6/6
		Date (YYMMDD).			

TM

O ID

4/4

2/2

Segment: MEA Measurements

Table:

Sequence: 170

> Usage: 0

Max Use: 40

Loop:

Purpose: To specify physical measurements, includ-

ing dimensions, tolerances, weights and

counts.

A. When citing dimensional tolerances, Comment:

> any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and

MEA06 as the positive (+) value.

Syntax Notes: 03 Either MEA03 or MEA05 or MEA06

> or MEA08 is required. If either MEA03, MEA05 or MEA06 is used,

MEA04 is required.

07 If MEA07 is used MEA03 is required.

08 Either MEA08 or MEA03 may be used,

but not both.

Data Element Summary

Measurement Reference ID Code MEA02 738 **Measurement Qualifier** Code identifying the type of measurement.

> Definition Code Weight

MEA03 739 **Messurement Value**

Deta

Element Name

Des.

1/10

Attributes

O ID

2/2

1/3

The value of the measurement.

Measurement Qualifier 1030 A *1

Always use code WT.

Measurement Value [031 A]

The weight in pounds of the items cited for payment in the Public Voucher. Notional BLOCK 13.

Unit of	Measurement Co	de
	[032 A	*]

Always use code AP.

MEA04	355	Unit of Measurement Code	C ID	2/2
		Code identifying the basic unit of m	icasurement.	

		Code Definition AP Actual Pounds			-
MEA05	740	Range Minimum	С	R	1/10
MEA06	741	Range Maximum	С	R	1/10
MEA07	935	Measurement Significance Code	0	ID	2/2
MEA08	936	Messurement Attribute Code	С	ΙĐ	2/2
MEA09	752	Surface/Layer/Position Code	0	ID	2/2

Segment:	IT1 Ba	aseline Item Data (Invoice)
Table:	2	
Sequence:	10	
Usage:	0	
Max Use:	1	
Loop:		
Purpose:		e basic and most frequently a data for the invoice and re- tions.
Comment:	be interpreted and/or service ary for a control is the identificate. C. IT106 three (10) differ each item.	ough IT125 provides for ten rent product/service ID's for . For example: Case, Color, No., UPC No., ISBN No.,
Syntax Notes:	01 If IT106 is quired. 02 If IT108 is quired. 03 If IT110 is quired. 04 If IT112 is quired. 05 If IT114 is quired. 06 If IT116 is quired. 07 If IT118 is quired. 08 If IT120 is quired. 09 If IT122 is quired.	s present, then IT107 is respected, then IT109 is respected, then IT111 is respected, then IT113 is respected, then IT113 is respected, then IT115 is respected, then IT117 is respected, then IT119 is respected, then IT119 is respected, then IT121 is respected, then IT121 is respected, then IT123 is respected, then IT123 is respected, then IT123 is respected, then IT125 is respected, then IT125 is respected.
Dat	Element S	Summary

	Data Element Summary			
Data				
Element	Name	Attr	ibutes	
350	Assigned Identification	0	AN	1/6
	Alphanumeric characters assigned for	or diff	erentia	3-
	Element	Data Element Name 350 Assigned Identification	Deta Element Name Attr 350 Assigned Identification O	Deta Element Name Attributes

Asssigned Identification [033 A]

REQUIRED

CLIN or SUBCLIN. Notional BLOCK

17.

IT102 358 Quantity Invoiced

M R 1/10

Number of units invoiced (supplier units).

Quantity Invoiced [034 A]

Notional BLOCK 18.

IT103 355 Unit of Measurement Code M ID

tion within a transaction set.

Code identifying the basic unit of measurement.

Unit of Measurement Code [035 A *]

Any code may be used. Notional BLOCK 20.

IT104 212 Unit Price

M R 1/14

2/2

Price per unit of product, service, commodity, etc.

Unit Price [036 A]

Unit Price, as specified in the contract, of the CLIN or SUBCLIN carried in IT101. Notional BLOCK 19.

IT105 639 Basis of Unit Price Code O ID 2/2
Code identifying the type of unit price for an item.

Basis of Unit Price Code [037 A]

IT106 235 Product/Service ID Qualifier

O ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Product/Service ID Qualifier [038 A]

Use any code.

Product/Service ID C AN 1/30 IT107 234 Identifying number for a product or service. Product/Service ID 1039 A 1 Carry actual number. Product/Service ID Qualifier IT108 235 Code identifying the type/source of the descriptive number used in Product/Service ID (234). Product/Service ID Qualifier **[040 A]** Use any code. IT109 234 Product/Service ID C AN 1/30 Identifying number for a product or service. Product/Service ID [041 A] Carry actual number. IT110 235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234). Product/Service ID Qualifier [042 A] Use any code. IT111 Product/Service ID C AN 1/30 Identifying number for a product or service. Product/Service ID [043 A] Carry actual number. IT112 235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234). Product/Service ID Qualifier [044 A]

Use any code.

Product/Service ID [045 A] Carry actual number.	IT113	234	Product/Service ID C AN 1/30 Identifying number for a product or service.
Product/Service ID Qualifier [046 A] Use any code.	IT114	235	Product/Service ID Qualifier O ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Product/Service ID [047 A] Carry actual number.	IT115	234	Product/Service ID C AN 1/30 Identifying number for a product or service.
Product/Service ID Qualifier [048 A] Use any code.	IT116	235	Product/Service ID Qualifier O ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Product/Service ID [049 A] Carry actual number.	IT117	234	Product/Service ID C AN 1/30 Identifying number for a product or service.
Product/Service ID Qualifier [050 A] Use any code.	IT118	235	Product/Service ID Qualifier O ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234).

IT119 234 Product/Service ID C AN 1/30 Identifying number for a product or service. Product/Service ID [051 A] Carry actual number. IT120 235 Product/Service ID Qualifier 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234). Product/Service ID Qualifier [052 A] Use any code. IT121 234 Product/Service ID C AN 1/30 Identifying number for a product or service. Product/Service ID [053 A] Carry actual number. IT122 235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234). Product/Service ID Qualifier [054 A] Use any code. IT123 234 Product/Service ID C AN 1/30 Identifying number for a product or service. Product/Service ID [055 A] Carry actual number. IT124 235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234). Product/Service ID Qualifier [056 A]

Use any code.

C AN 1/30 IT125 234 Product/Service ID Identifying number for a product or service. Product/Service ID [057 A] Carry actual number.

Segment:	PID	Product/Item Description
Table:	2	
Sequence:	60	
Usage:	0	
Max Use:	1	
Loop:		
Purpose:		cribe a product or process in coded form format
Comment:	A. Wh	en PID01 is "F", PID04 is not used.
	that	PID03 to indicate the organization publishes the code list being cred to.
		004 should be used for industry- cific product description codes.
	D. Use	PID06 when necessary to refer to product surface or layer being cribed in the segment.
Syntax Notes:	04 If P qui	ID04 is present, then PID03 is re- red. At least one of PID04 or 005 must be present.

Item Description Type [058 A *]

Use code F to satisfy the syntax.

Ref. Dec.	Data Element	Name	Attr	Ibute	
PID01	349	Item Description Type Code indicating the format of a description		ID n.	1/1
		Code Definition Free-Form		 	
PID02	750	Product/Process Characteristic Code	0	ID	2/3
PID03	559	Association Qualifier Code	C	1D	2/2
PID04	751	Product Description Code	C	ID	1/12

Data Element Standary

PID05 352 Description

C AN 1/80

A free-form description to clarify the related data elements and their content.

Description [059 A]

Description of cited line or subline item. Notional BLOCK 17.

PID06 752 Surface/Layer/Position Code O ID 2/2

Segment: REF Reference Numbers

Table: 2

Sequence: 120

Usage: O

Max Use: 1

Loop:

Purpose: To specify identifying numbers.

Syntax Notes: 02 Either REF02 or REF03 is required.

Data Element Summary

Ref. Deta Dec. Element

nt Name

Attributes

REF01 128 Reference Number Qualifier

M ID 2/2

Code qualifying the Reference Number.

Reference Number Qualifier [060 A *]

Use code SI for Shipment Number and indicator when applicable to the cited line or subline item. Use code PO for Order Number when applicable at the item level. Notional BLOCK 15a.

Code Definition

LT.

Appropriation Number

PO

Purchase Order Number Shipper's Identifying Number for Shipment (SID)

REF02 1

127 Reference Number

C AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Reference Number [061 A]

| |

REF03

352 Description

C AN 1/80

A free-form description to clarify the related data elements and their content.

Description [062 A]

When REF01 is code AT, REF03 will carry the Accounting Classification.

Segment: DTM Date/Time Reference

Table: 2
Sequence: 150
Usage: O
Max Use: 10

Loop:

Purpose: To specify pertinent dates and times

Syntax Notes: 01 At least one of DTM02 or DTM03

must be present.

Data Element Summary

Ref. Data
Dec. Element Name

Attributes

DTM01 374 Date/Time Qualifier

M ID 3/3

Code specifying type of date or time, or both date and time.

Date/Time Qualifier [063 A *]

Code 004 is the actual date of order and code 0035 the delivery date for supplies or performance date for services for cited line or subline item.

Date [064 A]

Actual Shipment Date for cited line or subline Item.

Code Definition

004 Purchase Order
035 Delivered

DTM02 373 Date

C DT 6/6

Date (YYMMDD).

DTM03 337 Time

C TM 4/4

DTM04 623 Time Code

O ID 2/2

Segment: N1

Name

Table:

Sequence: 240

Usage: O

Max Use:

Loop:

Purpose:

To identify a party by type of organization,

name and code

Comment: A

A. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing

party.

Syntax Notes:

Element Name

Date

Des.

N101

01 At least one of N102 or N103 must be

present.

Data Element Summary

02 If either N103 or N104 is present, then

the other is required.

Code identifying an organizational entity or a physi-

Entity Identifier Code [065 A *]

Use segment when applicable to cited line or subline item. Notional BLOCKS 11 and 12.

Code Definition

Entity Identifier Code

cal location.

SF Ship From ST Ship To

N102 93 Name

C AN 1/35

Attributes

M ID

2/2

Free-form name.

Name [066 A]

Use when address of Ship From or Ship To (codes SF and ST) cannot be described using party's CAGE Code or DODAAC (N103 code 33 and N104, the actual CAGE Code or DODAAC).

Identification Code Qualifier [067 A *]

Use code 10 when N101 is code ST and a DoD address. Use code 33 when N101 is code SF or when the ST address is another contractor.

Identification Code [068 A]

Use actual DODAAC or CAGE Code of Ship To (ST) or CAGE Code of Ship From (code SF).

N103 66 Identification Code Qualifier C ID 1/2

Code designating the system/method of code structure used for Identification Code (67).

Code Definition

10 DODAAC
33 CAGE

N104 67 Identification Code C ID 2/17

Code identifying a party.

Segment: N2 Additional Name Information

Table: 2
Sequence: 250
Usage: O
Max Use: 2
Loop:

Purpose: To specify additional names or those

longer than 35 characters in length

Ref. Deta
Dea. Element Name

N201 93 Name

Free-form name.

Data Element Summary

Attributes

M AN 1/35

Name [069 A]

Use only when address cannot be described using a code in the N1 segment.

Name [070 A]

Use only when address cannot be described using a code in the N1 segment.

N202 93 Name

O AN 1/35

Free-form name.

Segment: N3 Address Information

Table: 2 Sequence: 260

Usage: O Max Use: 2

Loop:

Purpose: To specify the location of the named party

Data Element Summary

Ref. Deta
Des. Element Name

Attributes

N301 166 Address Information

M AN 1/35

Address information

Address Information [071 A]

Use only when address cannot be described using a code in the N1 segment. (If used, carry items such as building number, street name, suite, appartment or office number. For example: 10 Main Street, Suite 300.).

Address Information [072 A]

If needed, an additional 2nd line of address, use only when address cannot be described using a code in the N1 segment.

N302 166 Address Information O AN 1/35
Address information

Seament: N4 Geographic Location Table: 2 Sequence: 270 Usage: O Max Use: 1 LOOP: Purpose: To specify the geographic place of the named party Comment: A. A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location. B. N402 is required only if city name (N401) is in the USA or Canada. 01 At least one of N401 or N405 must be Syntax Notes: present.

02 If N401 is present, then N402 is re-

03 If either N405 or N406 is present, then

Data Element Summary

the other is required.

Ref. Deta
Dec. Element Name

Attributes

N401 19 City Name

Free-form text for city name.

N402 156 State or Province Code

C ID 2/2

Code (Standard State/Province) defined by appropriate governmental agencies.

City Name

[073 A]

City Name, use only when address cannot be described using a code in the N1 segment.

State or Province Code [074 A]

Two-character code for State.

Postal Code [075 A] Zip Code.	N403 1	116	Postal Code Code defining international postal ing punctuation and blanks (zip cod States).			
	N404	26	Country Code	0	ID	2/2
	N405	309	Location Qualifier	0	ID	1/2
•	N406	310	Location Identifier	C	AN	1/25

Segment:	TDS	Total Monetary	Value Summary
	_		

Table: 3 Sequence: Usage: M Max Use: Loop:

> To specify the total invoice discounts and Purpose:

amounts

Comment: A. TDS02 is required if the dollar value

subject to discount is not equal to the

dollar value of TDS01.

Data Element Summary Element Name **Attributes**

Des. TDS01 361 **Total Invoice Amount** M N2 1/10

Amount of invoice (including charges, less allowan-

ces) before terms discount (if discount is applicable).

Total Invoice Amount [076 A] Ref.

Deta

Notional BLOCK 22.

TDS02	390	Amount Subject to Terms Discount	С	N2	1/10
 TDS03	391	Discounted Amount Due	0	N2	1/10
TDS04	362	Terms Discount Amount	0	N2	1/10

Segment: CTT Transaction Totals

Table: 3
Sequence: 70
Usage: M
Max Use: 1
Loop:

Purpose: To transmit a hash total for a specific ele-

ment in the transaction set

Comment: A. This segment is intended to provide hash totals to validate transaction com-

pleteness and correctness.

Syntax Notes: 01 If CTT03 is present, then CTT04 is re-

quired.

02 If CTT05 is present, then CTT06 is re-

quired.

Ref. Data Element Summary

Ref. Data
Dec. Element Name

Attributes

CTT01 354 Number of Line Items

Total number of line items in the transaction set.

Number of Line Items [077 A]

CTT01 will carry the accumulation of the number of IT1 segments contained in the transaction set.

ı	1					
	CTT02	347	Hash Total	0	R	1/10
-	СТТОЗ	81	Weight	0	R	1/8
	CTT04	355	Unit of Measurement Code	С	ID	2/2
	CTT05	183	Volume	0	R	1/8
	CTT06	355	Unit of Measurement Code	С	ID	2/2
	CTT07	352	Description	0	AN	1/80

Segment: SE Transaction Set Trailer

Table: 3 Sequence: 80 Usage: Max Use: 1 Loop:

> Purpose: To indicate the end of the transaction set

and provide the count of the transmitted segments (including the beginning (ST)

and ending (SE) segments).

Comment: A. SE is the last segment of each transac-

tion set.

Data Element Summary

Date Element Attributes Des. Name **SE01** Number of included Segment. M No

Total number of segments included in a transaction

set including ST and SE segments.

SE02 Transaction Set Control Number 329 M AN

> Identifying control number assigned by the originator for a transaction set.

Number of Included Segments 1078 A 1

> Transaction Set Control Number [079 A]

Control No, (same number will be found in ST02 in Header.)

1/6

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10.C Example - X12 Transaction Set 810 Invoice

This appendix contains an example of Transaction Set 810 as it is used to transmit invoice information to a DoD payment center.

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Example - Invoice information from Billing Party to DoD using ANSI X12 810

ST*810*00001 n/1

* 43 *

BIG*920630*12345*920530*DAAJ99-92-C-1234**CN n/I

REF*11*5678 n/l

REF*BL*098765 n/l

REF*DD*123456 n/l

REF*SI*24680Z n/1

REF*VR*13579 n/l

N1*BY**ZZ*23456 n/l

N1*PR**10*34567 n/l

N1*SE**33*76543 n/l

N1*ST**10*45678 n/1

ITD***2**10**30 n/1

DTM*053*920430 n/1

DTM*035*920430 n/l

MEA**WT*50*AP* n/l

IT1*0001*10*EA*25.00*PN*A1B2C3 n/l

PID*F****WIDGET n/l

REF*AT**Z1XX00 n/l

TDS*250.00 n/1

CTT*1 n/l

SE*21*00001 n/1

Invoice transaction with a transaction set header and control number

Invoice date and number, contract date and number,

and type of invoice

Payee's account number

Bill of lading number

Requisition number

Shipment number

Vendor's ID number

Buying party's DFARS appendix G code

DODAAC of paying office

Selling party's CAGE code

Ship-To addressee's DODAAC

Discount terms (2/16, set 30)

Delivery date

Requisition date

Weight of the shipment

Line fiem, quantity, unit of measurement, unit price, and part number

Item description

Appropriation number

Total invoice amount

Total number of line items on invoice

Number of included seigments and transaction sei

control number

NOTE: ALL NUMBERS ARE NOTIONAL AND USED FOR ILLUSTRATION PURPOSES ONLY.

REPORT DOCUMENTATION PAGE

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